

19981019.qrp v01_n249.qrs.981019

Date: Mon, 19 Oct 1998 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1249

QRP-L Digest 1249

Topics covered in this issue include:

- 1) [22586] ATANTICON
by K4NK@aol.com
- 2) [22587] CQ Test, Antenna test & wind loading test
by nilsbull@juno.com (Nils R Young)
- 3) [22588] Coax Selection
by "Jack Sterba" <kb9leb@geocities.com>
- 4) [22589] ARCI QSO PARTY - N2CX
by Joe Everhart <n2cx@voicenet.com>
- 5) [22590] Lost FoxHunt Rules
by ke6zx@juno.com (Fred J Kalt)
- 6) [22591] ARCI QSO Party - K8DD
by Hank Kohl K8DD <k8dd@contesting.com>
- 7) [22592] WZ2T ARCI Fall QSO Party
by Richard Sherman <srichard@Aldus.NorthNet.org>
- 8) [22593] RE: knwd TS-450S Pwr Cable
by ke3fl@juno.com
- 9) [22594] RD: knwd TS-450S pwr cable
by ke3fl@juno.com
- 10) [22595] GROL, etc.
by Norman Young <normany@mindspring.com>
- 11) [22596] pvc dsp es a-ok
by mitch96 <mitch96@pobox.com>
- 12) [22597] For Sale ICOM 751A
by John Foote <w3gx@yahoo.com>
- 13) [22598] RE: Bandpass filter (mechanically tuned ...)
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 14) [22599] info
by art marshall <w1fji@vistech.net>
- 15) [22600] RE: PVC Audio Filter is ASP not DSP
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 16) [22601] Re: PVC Audio Filter is ASP not DSP
by "George T. Baker" <w5yr@swbell.net>
- 17) [22602] TradeL: TAC-1 40 meter rig
by Kelly Ellison {WB0WQS} <kelman@dialnet.net>
- 18) [22603] FT757GX2 ALC Power Control?
by "Marshall Emm" <mgemm@mtechnologies.com>
- 19) [22604] Re: Rainbow Tuner/Enclosure Experiments

- by "Doug Hauff" <slmachco@fix.net>
- 20) [22605] Re: PVC Audio Filter is ASP not DSP
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 21) [22606] Re: Lost FoxHunt Rules
by Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>
- 22) [22607] the Burgundy cat incident
by Ab7wy@aol.com
- 23) [22608] A day a Pacificon
by David Adams <adamsclan@netgate.net>
- 24) [22609] Re: printed circuit boards
by David Adams <adamsclan@netgate.net>
- 25) [22610] Re: Coax selection
by w4pj@w4bkx.ampr.org
- 26) [22611] FRACTAL ANT URL
by Ed Tanton <n4xy@att.net>
- 27) [22612] Re: More on QRP killer cat!!!
by Scott Howell <whowell@hq.nasa.gov>
- 28) [22613] resonant speaker headphones?
by Steve/n0tu <n0tu@webaccess.net>
- 29) [22614] Re: Is there a good QRP List or News Group out there?
by "Bryan Turner" <turnerw@email.uah.edu>
- 30) [22615] RE: resonant speaker headphones?
by Sam Billingsley <SBillingsley@usaninc.com>
- 31) [22616] Re: Is there a good QRP List or News Group out there?
by "Vincent Ferme" <vferme@sprint.ca>
- 32) [22617] Corsair II
by Scott Howell <whowell@hq.nasa.gov>
- 33) [22618] QRP ARCI Fall Test: N2CQ
by Ken Newman <n2cq@citnet.com>
- 34) [22619] RE: Bandpass filter (mechanically tuned ...)
by Sam Billingsley <SBillingsley@usaninc.com>
- 35) [22620] RE: Bandpass filter (mechanically tuned ...)
by Chris Trask <ctrask@primenet.com>
- 36) [22621] Re: resonant speaker headphones?
by Lou Martin <lmartin@uswest.net>
- 37) [22622] Resonant Speakers
by Dave Hassell <deh@tadpole.com>
- 38) [22623] Speaker impedance background
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 39) [22624] Datong FL-2 Audio Filter
by Robert Tellefsen <n6wg@earthlink.net>
- 40) [22625] FOXHUNT on the internet
by Ronald_A_Pfeiffer@res.raytheon.com
- 41) [22626] Re: PVC Audio Filter is ASP not DSP
by Steven Weber <kd1jv@moose.ncia.net>
- 42) [22627] Pacificon: Rave review
by "Allan (Grant) Taylor" <k7gt@qsl.net>
- 43) [22628] RE: Bandpass filter (mechanically tuned ...)

by Yaacov@barcode.co.il

44) [22629] Re: Cat destroys QRP station!!!!
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>

45) [22630] BYO intelligent XCVR updates
by James Skalski <jskalski@buffnet.net>

46) [22631] FT757 ALC Control - Thanks!
by "Marshall Emm" <mgemm@mtechnologies.com>

47) [22632] Counterweight on Dipole...?
by "KBØVCC" <kb0vcc@rocketmail.com>

48) [22633] Re: FOX: HUNT on the internet
by applitech@mcg.net (Claton Cadmus)

49) [22634] Us vs Them
by "Laurent C. Lafond" <aa1qj@loa.com>

50) [22635] RE: Counterweight on Dipole...?
by Martin Squicciarini <MSquicciarini@McGettigan.com>

51) [22636] Dipole and weights
by "Bryan Turner" <turnerw@email.uah.edu>

52) [22637] Re: FOXHUNT on the internet
by "George T. Baker" <w5yr@swbell.net>

53) [22638] Pacificon Report from KI6DS
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)

54) [22639] Pacificon: Fantastic! (although 0-6 :-()
by Jim Lowman <jmlowman@ix.netcom.com>

55) [22640] OHR-500
by SABorns@aol.com

56) [22641] Resonant Speakers
by Dave Hassell <deh@tadpole.com>

57) [22642] ARRL 10 Meter Contest Wallpaper
by wd3p@juno.com (Larry Cahoon)

58) [22643] The Fall ARCI Contest
by wd3p@juno.com (Larry Cahoon)

59) [22644] No ARCI Contest but 12 new hams!
by Tim Pettibone <tpettibo@NMSU.Edu>

60) [22645] MAJOR STORM & AURORA WATCH (fwd)
by Paul Harden <pharden@aoc.nrao.edu>

61) [22646] NC-20 and TiCK-3 Problem
by wb8ygg@juno.com

62) [22647] Re: Us vs Them
by "Laurent C. Lafond" <aa1qj@loa.com>

63) [22648] Corsair II
by Scott Howell <showell@hq.nasa.gov>

64) [22649] Pacificon highlights
by "Michael A. Gipe" <mgipe@reliablemeters.com>

65) [22650] Re: MAJOR STORM & AURORA WATCH (fwd)
by Paul Harden <pharden@aoc.nrao.edu>

66) [22651] Callbooks
by "Bryan Turner" <turnerw@email.uah.edu>

67) [22652] Re: Us vs Them

by "Robert Roach" <KE4Q0K@worldnet.att.net>
68) [22653] Radio cleaning, odor neutralizer
by "rohre" <rohre@arlut.utexas.edu>
69) [22654] FOX - HELP
by Brad Mugleston <bmug@gwl.com>
70) [22655] Re: resonant speaker headphones? A great idea!
by WD6BOR@aol.com
71) [22656] Pacificon!!! Oh boy, oh boy, oh...(long)
by WD6BOR@aol.com

Date: Sun, 18 Oct 1998 19:56:01 EDT
From: K4NK@aol.com
To: qrp-l@Lehigh.EDU
Subject: [22586] ATANTICON
Message-ID: <775f8c9c.362a8011@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

GANG;

Well there seems to be some interest in holding an event perhaps at the
Va. Bch hamfest. Could I have a few volunteers to help study the possibilities?

72 Les K4NK

Date: Sun, 18 Oct 1998 19:47:23 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [22587] CQ Test, Antenna test & wind loading test
Message-ID: <19981018.194732.10694.0.nilsbull@juno.com>

Gang,

I missed out on whatever QRP contest was rollin' in this weekend 'cause I
got caught up in tryin' to get this bedroom what used to belong to my son
before I wrecked it worse than he did when he was livin' here ready for
the wallpaper dude to come over & salvage it so my youngest son can move
in and wreck it after I spend all that money gettin' it fixed up. That &
gettin' some hardware from the store & checkin' out a 40m vertical, which
is another story.

Many years ago I bought the remainders of a Radio Shack CB antenna. Must

have been a 5/8, 'cause it had a loadin' coil in the little plastic inscrewlater on the bottom. Anyway, I had enough hardware & some left over aluminum pipe so I made it into a 20m vertical & perched it in the back yard. This weekend I went to the hardware store & spent about \$20 on aluminum pipe stock to make it a 40m vertical. Worked pretty good too. 'Cept that later on in the day, after I'd finished wreckin' all kinds of stuff, I noticed that it was whippin' back & forth in the wind.

Very windy. Looked like it was gonna fold over. So I took it down & made it into a 30m vertical with lots of internal reinforcement (from all the pieces beein' telescoped together). It doesn't sway as much & it works pretty good too.

I still ain't got or found the cores to try the big hootie power version of the latest version of a Z-match design that I gibbered about a while ago. But at least I can find the desk top now.

And I only smashed my thumb twelve times tryin' to build the next version of the travelin' radio box.

Other 'n that, it was a pretty decent weekend. 'Cept for missin' the contest & listenin' to all them DX chasin' loonies on 18 & 24 MHz. Man, them peeps is cut-throat!

73

Nils

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch

WB8IJJ &c :: The Tagalong Press :: email to: nilsbull@juno.com

<http://www.geocities.com/Athens/Olympus/9172>

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com>

or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 18 Oct 1998 20:40:48 -0400

From: "Jack Sterba" <kb9leb@geocities.com>

To: <qrp-1@Lehigh.EDU>

Subject: [22588] Coax Selection

Message-ID: <199810190042.RAA16439@geocities.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am about to put a dipole up for QRP usage. I have to run about 40-50 feet of coax. What type is best for that kind of distance and for low power??

Jack Sterba, KB9LEB
New Smyrna Beach, FL
<http://www.geocities.com/SiliconValley/Lab/2266/>

Date: Sun, 18 Oct 1998 20:46:25 -0400
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-1@Lehigh.EDU
Cc: njqrp@njqrp.org
Subject: [22589] ARCI QSO PARTY - N2CX
Message-ID: <199810190046.UAA51096@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wow that was fun!

Had to fit my operating time around household duties but I did make a serious showing in the QSO Party this year.

Summary:

	80	40	20
Members	18	35	15
Non-members	2	11	2
SPC	12	16	12

Operating time: 4-3/4 hours

Power 1.5 to 3 watts depending on the band used to my Sierra feeding a 40 meter inverted vee fed with ladder line.

By my preliminary calculations this works out to a score of 100,800.

What a blast! 20 and 80 were disappointing so 40 was the workhorse band. I think the fox hunts have really sharpened operating skills - the operating techniques were very impressive!.

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Sun, 18 Oct 1998 20:22:17 -0400
From: ke6zx@juno.com (Fred J Kalt)
To: qrp-1@Lehigh.EDU
Subject: [22590] Lost FoxHunt Rules
Message-ID: <19981018.205642.-877815.3.ke6zx@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wondering if someone could please email me the FoxHunt rules. Seems like I was cleaning out my inmail and accidentally erased them. It would be greatly appreciated.

Thank you,

Fred KE6ZX
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

Date: Mon, 19 Oct 1998 01:02:23 +0000
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-1@Lehigh.EDU
Subject: [22591] ARCI QSO Party - K8DD
Message-ID: <3.0.5.32.19981019010223.00a50d90@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hours of Operation: 04:43 <---- and that was all the time I
had to get in the shack all weekend!

band	QSOs	points	mults
160	0	0	0
80	8	280	8
40	43	1337	20
20	38	1162	20
15	2	70	2
10	4	140	3

TOTAL	95	2989	53

SCORE: 158,417

It was great to hear the level of activity up on five of the bands.

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@contesting.com
*/ ARRL TS <http://www.tir.com/~k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: Sun, 18 Oct 1998 21:21:31 -0400
From: Richard Sherman <srichard@Aldus.NorthNet.org>
To: qrp-1@Lehigh.EDU
Subject: [22592] WZ2T ARCI Fall QSO Party
Message-ID: <3.0.1.32.19981018212131.0085a760@aldus.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Rough score 293 Q's, 927k.

Just missed my goal of 300 and 1M points. Tho I worked more stations than ever, for some reason, the activity seemed down. I guess there were no times with a lot of stations on one band. Maybe the conditions were too good and people were spread over the bands as opposed to previous years when 20 and 40 were the place to be.

72 es tnx fer the pts,
Rick WZ2T

srichard@northnet.org
---If you're not part of the solution,

You're part of the precipitate.---
Steven Wright

Date: Sun, 18 Oct 1998 21:42:57 EDT
From: ke3fl@juno.com
To: qrp-1@Lehigh.EDU
Subject: [22593] RE: knwd TS-450S Pwr Cable
Message-ID: <19981018.214629.9775.0.ke3fl@juno.com>

Thanks to all who responded! It's alive!

Only problem now is that since they got rid of the mic there's no audio coming from the speaker. Anyone know which pins to short together on the radio's mic connector?

tnx agn
72 & 73 de KE3FL
Phil K
ke3fl@juno.com
www.qsl.net/ke3fl

Anyone can buy a radio, an antenna, microphone, plug it in the wall and talk, but a real ham can take two pieces of wire and beat them together, and send a message when the going gets tough.

Talk is cheap, real hams beep.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 18 Oct 1998 21:49:59 EDT
From: ke3fl@juno.com
To: qrp-1@Lehigh.EDU
Subject: [22594] RD: knwd TS-450S pwr cable
Message-ID: <19981018.215338.9775.1.ke3fl@juno.com>

Oops, I noticed the RF gain all the way down, so there is audio from the speaker after all. No mic needed.

Sri folks.

72 & 73 de KE3FL
Phil K
ke3fl@juno.com
www.qsl.net/ke3fl

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 18 Oct 1998 22:04:58 -0400 (EDT)
From: Norman Young <normany@mindspring.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22595] GROL, etc.
Message-ID: <1.5.4.16.19981018220526.23a765e2@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This is definitely an answer list, and I have a question. I'd like to be able to tie it in to QRP, but there is no way I can honestly do it. Strictly speaking, it isn't even ham radio related, but here goes.

At the Shelby hamfest, I picked up a copy of Fred Maia & Gordon West's GROL Plus study guide. The question pools for elements 1, 3, and 8 are supposed to be good until January 1, 1999. The same is true of the pools on the FCC website. That is not too far off.

Does anyone know whether there are going to be new pools to replace these any time soon, or whether the pools will be in effect a while longer? I don't want to spend a lot of time studying this material only to have it superseded by the time I take the test. As it is, it looks like about 75% of the GROL duplicates the advanced and extra material.

Also, if anyone knows when and where the exam is given in central or eastern NC, please reply directly to me.

SOAPBOX MODE "ON". Now is the time to delete if you wish.

BTW, if you are preparing for a ham test any time soon, please be sure to check the expiration date of your pools and/or study guides. I doubt that many people on this list would have this problem, but it never hurts to be sure. I am a VE liason for our club, and I have seen two examinees in two

months come in to take the tech test after using outdated Gordon West study guides they got from who knows where. One was a 14 year old and the other a forty something. Neither passed. The forty something had taken element 2 five times, and still had not passed. Our VE team was the first to look at his study guide... I felt sorry for both of them. It's no fun to put effort into a test, and not pass!

FWIW, I like the ARRL study guides better anyway, because they actually attempt to explain the theory. That's what I used to upgrade, and I felt like I had actually learned something from the process.

SOAPBOX MODE "OFF"

72 de KA4PUV
Norman

Date: Sun, 18 Oct 1998 22:21:11 -0400
From: mitch96 <mitch96@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22596] pvc dsp es a-ok
Message-ID: <362AA217.DAB8164C@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,
thanks to Ed, Steve, Jim, Glen et al for turning me on to this neat toy!!
4.75 inches of pvc and a old pc pizzio speaker and ive got a quick and
dirty resonant speaker. this works "way cool". sorta like dsp for the
digitally challenged. works well in the field too. definitely qrp. in
fact no pwr at all.
now back to your regularly scheduled fantasy.....
--
Mitch WW4ML

Date: Sun, 18 Oct 1998 19:29:58 -0700 (PDT)
From: John Foote <w3gx@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [22597] For Sale ICOM 751A
Message-ID: <19981019022958.12690.rocketmail@send102.yahoomail.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Have an ICOM 751A for sale - original box, full maintenance manual, and the optional 500 HZ CW filter.

This is the QUADRUPLE CONVERSION ICOM masterpiece, with an extremely quiet receiver with no DDS noise. It's in excellent condition and looks great. The optional filter gives you 2 IF stages crystal filtered at 500 HZ, PLUS passband tuning, an RF notch filter, built-in keyer, RF speech processor and 3-setting AGC. Works ARO or QRP in an instant.

I'm the original owner, and as I can't find time to work HF beyond mobile, will keep my Alinco DX-70.

\$950.00 and I'll pay the shipping and COD charges.

John Foote
==
72 es 73 de W3GX
John Foote
Ashburn, Virginia near Wash. Dulles Int'l. Airport

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sun, 18 Oct 1998 22:33:18 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-l@Lehigh.EDU>
Subject: [22598] RE: Bandpass filter (mechanically tuned ...)
Message-ID: <002101bdfb00\$74b606a0\$04000a0a@nwarfiel.usf.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bandpass filters are essential in today's radio spectrum !
The idea of building a well shielded, magnetically coupled and electrostatically protected filter is a very good one.
For those like yours truly that are NOT miniaturization enthusiasts (may be linked to lack of mechanical abilities

etc..) the inclusion of bandpass filters in QRP rigs is a top priority..

I have tested many receivers that showed mediocre performance when used with the original design's input circuits, that have changed a lot when connected via a well designed and built, well shielded input bandpass filter.

Likewise, bandpass filters are great in cleaning up the output of any transmitter, especially if you know that they should be placed not only at the output...

Double, and better yet, triple tuned bandpass filters that can be TUNED SMOOTHLY are rather easy to design from an RF engineering point of view, and a bit more difficult to put into practice...

You can't really obtain all the benefits of such filters if you try to make them into miniature cases...

The recent posting related to the subject... BTW, is a step in the right direction to make the list more enjoyable to those who are interested in homebrewing QRP radios, that, I repeat... NEED NOT BE MINIATURE SIZE !!!

As a matter of fact, while presenting QRP ideas to a radioclub this past Saturday - with a nice group of both mature and young hams- I confirmed that the association between QRP and miniature may be bad business for QRP's future, as it scares away prospective homebrewers of QRP radios that otherwise may join us if it is made clear to them that LOW POWER does not mean SMALL SIZE !

Arnie Coro

C02KK

e-mail: inforhc@mail.infocom.etecsa.cu

Date: Sun, 18 Oct 1998 22:39:20 -0400 (EDT)
From: art marshall <w1fji@vistech.net>
To: qrp-l@Lehigh.EDU
Subject: [22599] info
Message-ID: <199810190239.WAA21616@44mag.vistech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I currently subscribe to this list qrp-l, as w1fji@vistech.net but I am getting ready to change IPS's, what is the best way to to this.....
unsubscribe to qrp-l as w1fji@vistech.net
and
subscribe again to qrp-l under my new email address when I get it.
or, is there another way.

please advise tks 73 art w1fji

Date: Sun, 18 Oct 1998 22:54:13 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-l@Lehigh.EDU>
Subject: [22600] RE: PVC Audio Filter is ASP not DSP
Message-ID: <007401bdfb03\$60b6ac60\$04000a0a@nwarfiel.usf.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mitch 's WW4ML post on the ultra simple PVC pipe acoustic resonant filter (with no equations,,, just data on how to ...) is another excellent example of QRP-L 's excellency !
But, without starting another argument, flames, fires, smoke etc... I must say that it is an ANALOG SIGNAL PROCESSOR or ASP...
DSP is a Digital one !
PVC pipe's measurements proved to be ideal on the test
I ran following Mitch's posting... my loudspeaker came from a defunct transistor radio... audio peaks at around 700 Hertz with a high Q ... about the cheapest and most energy saving devices ever built at C02KK
AND IT WORKS GREAT
Arnie Coro
e-mail: inforhc@mail.infocom.etecsa.cu

Date: Sun, 18 Oct 1998 22:13:45 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: inforhc@mail.infocom.etecsa.cu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22601] Re: PVC Audio Filter is ASP not DSP
Message-ID: <362AAE69.D825A75E@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This thread on acoustic filtering has been very interesting. It has also raised the question in my mind as to the effect of the transducer impedance presented to the driving circuitry changing as a function of frequency.

I can see that some drivers, using perhaps a considerable amount of negative feedback for stabilization, might be quite tolerant of load impedance changes, whereas others might be rather sensitive to load impedance.

I am assuming that the impedance of the acoustically tuned transducer changes over a significant range as a function of frequency. Since this notion dates back far too many years to undergrad physics courses, I would appreciate it if someone would bring me up to date on this effect and its collateral effect on driver performance.

Or, it is really a non-topic?

72/73, George

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ARS 10-X 33.2 N 96.6 W EM13R

Date: Sun, 18 Oct 1998 22:22:55 -0500
From: Kelly Ellison {WB0WQS} <kelman@dialnet.net>
To: qrp-l@Lehigh.EDU
Subject: [22602] TradeL: TAC-1 40 meter rig
Message-ID: <362AB08F.7FA82F8D@dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a S&S Engineering TAC-1 40 meter Transceiver for trade.

This radio is their knob tuned, synthesized radio, and will tune in 1 KHz and 100 Hz steps. The display reads 100 KHz, 10 KHz, 1 KHz, and 100 Hz, respectively. The megahertz are displayed on power up. The TAC 1-40M Transceiver tunes from 7.000 to 7.199 MHz. It has a nice switchable CW filter.. S&S sells it as a kit for \$199.95. This radio was factory aligned and updated before it came to me. I have to many rigs for 40 meters and would like to trade for something I would use.

I am interested in anything QRP related of equal value. Would consider a nice Realistic HTX-100 or the Uniden equal. For more information please contact me direct at kelman@dialnet.net

Kelly Ellison
WBOWQS
QRP-1 #702

Date: Sun, 18 Oct 1998 23:03:08 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@Lehigh.EDU
Subject: [22603] FT757GX2 ALC Power Control?
Message-ID: <199810182301.RAA06900@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Anybody know how to use the external ALC connection on an FT757GX-II to control power out? I thought it would be simple, but the manual says the center on the jack is 0 to -5V with reference to the outer (chassis ground), and I'm having a little trouble picturing that. Or is it a typo and they mean +5V?

I wanted to look at it because the front-panel drive control is super-sensitive and must be re-adjusted pretty constantly.

Any help appreciated, and TIA...

.
73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
(303)752-3382
--

Date: Mon, 19 Oct 1998 02:42:11 -0700
From: "Doug Hauff" <slmachco@fix.net>
To: "Joe Everhart" <n2cx@voicenet.com>
Cc: <qrp-1@Lehigh.EDU>

Subject: [22604] Re: Rainbow Tuner/Enclosure Experiments

Message-ID: <199810190538.WAA22849@fletch.fix.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hi Joe, Thanks for jumping in with help when problems surfaced with the Rainbow Enclosure! I had tested the Rainbow with the variable cap with the board laying naked on the bench, in my proto box, and in the first production unit, all tested ok, then of course problems after anodizing...

I have been doing some testing, did a serious field test out in the boonies, had some great qso's in spite of only attaining 1.5-2.0:1 SWR. Been testing at home with simulated field conditions, using 1/2 wave wire in pine tree next to my driveway, operating from my porch steps. Here's the results, all tests with SW30+, 46' wire in tree sloping to porch, 23' wire on ground:

With plain wire leads from board to binding posts, wires loosely parallel, best SWR >1.5:1

With plain wires, antenna lead under board to binding post, best SWR >3.5:1

With plain wires, twisted together (about 3 turns/inch), run above board, green light, best SWR <1.5:1 !!

Instinct said "good enuf, leave it!!", so I pulled it apart again anyway and replaced the plain wires with RG174, Zap! Best SWR <1.5:1, with either of 2 toroid taps!! Cool, so I jumped on dirt bike, bipped out to campground, got SWR <1.5:1, but only on one tap and with variable cap zeroed.

In all cases variable cap was at or near minimum, I'm going to fool around some more, maybe put a cap in series with the variable. Fooled with some calculations, looks like I can get minimum down from 16 or so pf to 5 pf, reducing max to 50 pf which ought to work ok since variable always ends up near minimum. I am also going to mess with length of counterpoise(sp?) and see what happens.

BTW, all tests used smaller section of variable cap with trimmers at minimum.

Thanks again, Joe! 72 Doug Hauff KE6RIE

>

Date: Sun, 18 Oct 1998 22:57:32 -0700
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22605] Re: PVC Audio Filter is ASP not DSP
Message-ID: <19981019055734.HUGF2944@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

As some of you might be aware the CQWW SSB contest is next weekend. Has anyone come up with a design for an acoustic filter for maximizing SSB signals at roughly 2.3-2.7kHz ???

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html>
alan.kaul@worldnet.att.net
w6rcl@amsat.org

Date: Sun, 18 Oct 1998 22:06:33 -0800
From: Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>
To: ke6zx@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [22606] Re: Lost FoxHunt Rules
Message-ID: <3.0.6.32.19981018220633.007a6ac0@eagle.ptialaska.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:22 PM 10/18/98 -0400, you wrote:

>
>Wondering if someone could please email me the FoxHunt rules. Seems like
>I was cleaning out my inmail and accidentally erased them. It would be
>greatly appreciated.
>
>Thank you,
>
Hi Fred & Gang...

I keep the current Foxhunt Rules and Schedule on the Alaska QRP Website... The URL is after my signature... This is updated whenever a change is noted on QRP-1... Hope that this is of some help... Take care

and have fun...

72 - Bruce - KL7JAF

kl7jaf@ptialaska.net

Alaska QRP Club Web Site: <http://www.ptialaska.net/~bhopkins/akqrp>

Date: Mon, 19 Oct 1998 02:16:19 EDT
From: Ab7wy@aol.com
To: qrp-1@Lehigh.EDU
Subject: [22607] the Burgundy cat incident
Message-ID: <8ea1dd15.362ad933@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 98-10-18 14:04:41 EDT, you write:

<< A REAL vacuum-tube QRO station would have defended itself promptly upon being disturbed! No question about punishment for the newly deceased (electrocuted) cat! >>

i figured i had better post my recollection of my cat story before this thread is dispensed of.

in 1986, i was over at a friends house, Frank, KL7HNU (now KL7FH), with our other friend, Mike, KL7HFA (now KL7HFA)...frank had some cats and a shack in the garage, the three of us were splitting a bottle of red wine and enjoying some dxing when Franks cat jumped up on top of the highest shelf, right next to the open top of his huge, old homebrew vaccum tube amp. Frank had a head start on us with a few glasses of wine so he was quite happy to be there, he also decided that it was time for the cat to get down and get out! in a matter of 10 seconds, Frank stumbled over to the bench and said "youre outta here cat!", grabbed for the unsuspecting feline, who jumped right into the open top of the fortunately standing-by amp with a big "MWEEERROOOWW", shot straight out the top knocking a clock of the top shelf, down on top of his keyboard, then it lunged forward slamming into Mikes glass of very red wine, spilling it precisely onto Mikes lap, who jumped up yelling "FRANK!!", knocking the stool back into the workbench with a loud crash. imagine the time it takes to read this next line...meow, thump, "youre outta here cat!", MWEEERROOOWW!!, ratta-tatta, shoop, thump, CRASH!, plink, FRANK!!, CRASH!!....then just me on the floor laughing, i still envision the scene and

it busts me up.

the cat was ok, but i felt like someone had just slugged me in the ribs. i think the days of the buccaneer parties at KL7HNU are done, now its the roost of Franks 15 year old son, Chris, WL7KY, who im sure youve all heard or worked...he was a toddler at the time and, fortunately, remained asleep in the house at the time of the "Burgundy Cat incident". lord only knows what Franks wife wouldve done, i would guess that Mike and i would be heading to our respective qth's quickly.

it was a hilarious night to remember, there may have been more but im sure i wouldnt have remembered them anyway :-), thought i would share it with you good people. BTW, im sure i speak for Frank and Mike, but those days of carousing are behind us, but were a blast to enjoy!

73...Adam, AB7WY

Date: Mon, 19 Oct 1998 00:02:10 -0700
From: David Adams <adamsclan@netgate.net>
To: QRP <qrp-l@Lehigh.EDU>
Subject: [22608] A day a Pacificon
Message-ID: <362AE3F2.EE5CD90B@netgate.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, just a quick note to thank Doug for a great job as usual with the QRP forum this year.

My day started out at 4 am (unfourtunately just 3.5 hours after heading to bed the night before). I wanted to be sure to hit the swap meet before the fun began. I made it, but ended up not buying anything from the swap. While Pacificon gets better every year, the swap seems to get smaller...c'est la guerre!

I sat in for about half the qrp forums...(I REALLY wanted to see some of the vhf and 10 gig talks this year). For those of you who haven't had the pleasure, take any opportunity to sit in of a talk by Rev. Dobbs...both for content and humor!

The QRP hospitality sweet was PACKED!!!..presumably this was in due in some small part to the drawing of the K2 from elecraft (I didn't win...drawing must have been rigged!).

The displays of peoples work and products were amazing as always and I am sure someone else will detail all for the group. My daughter was mad that I didn't bring any of this years projects to enter (she's 6 and likes the concept of winning), but like I said, it was 4 am when I left and she was lucky I remembered her! There were also the usual assortment of gimmies and the best of all came from Jerry. He brought a case of grab bags from Dan's Small Parts. Now, I have a fairly decent junk box these days, but never pass up parts, say I; so I grabbed a pack. I just opened it up a few minutes ago...a nice assortment of bits (res, caps, pots, inductors, diodes, weird things...). However, as I dug through, two things caught my eye...

1) A switch...as it happens, I pulled my tnc out of storage Friday night. The switch had self destructed and I didn't have a spare that would fit in a cosmettically pleasing manner (I just hotwired across for the evening...ps has a switch after all). Lo and behold, there is the switch I need and it is a perfect fit...cool.

2) An inductor...A week ago, some of people came over from our French lab to be trained on some new techniques. They were kind enough to bring me the last 4 months of Megahertz Magazine and there was a CW rig by F6BQU I decided I had to build. I burned the board and started digging...I had all the parts but one...an inductor...cool again!

I have to admit I bailed after the k2 drawing...the 4 am start was making such things as standing difficult and I still had to drive back to Mountain View. Ah well, another year...another great time. Thanks to all involved in putting this together.

73 de dave, n9uxu

--

David J Adams, N9UXU

adamsclan@netgate.net

Amateur Radio, Flow Cytometry, Digital Photography and Parrot enthusiast

<http://u1.netgate.net/~adamsclan>

Date: Mon, 19 Oct 1998 00:17:35 -0700
From: David Adams <adamsclan@netgate.net>
To: bpoooley@bar.auracom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22609] Re: printed circuit boards
Message-ID: <362AE78F.1A6C105D@netgate.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This is how I make my circuit boards. The Dyna Art paper works pretty well, but don't let it sit around too long (in this case I mean over a year...the toner doesn't stick too well after that point)...it's very easy to use and transfers well. I wouldn't mind having the dual sided fuser, but can't justify the cash, so I use my wife's iron...(a bit of advice...if the iron is teflon coated, remember to lay a towel on the board...it will save you a black eye)....I would say the only difficulty I have with the stuff is getting it off once the board is etched...takes a bit of elbow grease...

73 de dave, n9uxu

Oh..and as per the previous discussion, I drill the holes with my dremel tool drill press...though the dyna-art drill press looks nice...

--

David J Adams, N9UXU

adamsclan@netgate.net

Amateur Radio, Flow Cytometry, Digital Photography and Parrot enthusiast

<http://u1.netgate.net/~adamsclan>

Date: Mon, 19 Oct 1998 07:34:44 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@Lehigh.EDU
Subject: [22610] Re: Coax selection
Message-ID: <27272@w4bkx.ampr.org>

Two things (at least) to consider:

1. Resonant dipole (two, quarterwavelength wires, end fed - each having approximately 36 ohms feedpoint impedance = $2 \times 36 = 72$ ohms or thereabouts) Therefore 75 ohm feedline more nearly matches the antenna than 50 ohms.
2. Quoting Doug DeMaw, "The antenna is the lifeline of our QRP stations."
"We should add as many decibels as possible via the antenna system."
"The QRP-station antenna should equal or exceed that of the QRO fixed station."
Regarding feedlines: "...the feedline...should have minimum loss, and must be kept as short as practicable if we are to cut down the losses. Open wire feeders offer the least loss." "Avoid lossy feedlines such as miniature RG-174/U. It is VERY LOSSY, ... " " Whenever possible, avoid

I prefer 9913 for 50 ohm coax, but it can be too stiff for rotatable arrays and needs a short piece of more flexible feedline at the spot where it will be rotated. As for 75 Ohm coax, RG-11 is my choice.

P.S. I usually use RG-11 for making series section transformers for feeding Quad loops etc. (1/4wave matching stubs etc.)

Guys, if you haven't seen this URL, go look and see... this is really interesting stuff... complete with a 10M 2 element design and anecdotal QSO comments. The web addr is:

When they (Chip/et al) get the 20M numbers I've got to build one! Check the size of the 2M element. Believe me it's worth a visit-if nothing else to see all the bent wires!

Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Mon, 19 Oct 1998 08:40:12 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: n4js@pobox.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22612] Re: More on QRP killer cat!!!
Message-ID: <3.0.5.32.19981019084012.007f9850@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

this is why I have only dogs. My GSD sits in the shack with me all the time and accept for some hair which does get into things from time to time, life couldn't be simpler. Ok, well until you get up out of the operating chair at 6Z and find that a GSD has worked his way under your feet. wow! teeth at that time of the morning isn't a nice surprise. HOWEVER, luckily neither my Lab nor my GSD can get on the tables easily. WOuldn't want 80lbs of Lab sleeping on my rigs.
wow! that'd be that for operating.

73 de Scott/n3byy

PS got Scott/nf3i's dog for a couple of weeks. She's a cute gal and likes to sit next to me while operating cw. WOnder if she can understand any of it. Have to ask Scott when I see him agn.

At 04:18 PM 10/18/1998 GMT, John Sielke wrote:

>On Sun, 18 Oct 1998 07:41:41 -0700 (PDT), you typed:

>

>You can not even imagine what a parrot can do! I have made the mistake
>of running a fox with one on my shoulder...next thing, the headphones
>don't work...chewed through the cord. Then, there is NO creature

Date: Mon, 19 Oct 1998 06:54:44 -0700
From: Steve/n0tu <n0tu@webaccess.net>
To: qrp-1@Lehigh.EDU
Subject: [22613] resonant speaker headphones?
Message-ID: <362B44A4.1B98@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I awoke at my usual time - 5 am. Threw a couple of logs into the wood stove and put the tea kettle on the burner for that favorite cup of mornin' brew. I lite the filaments in my ol' Drake B line (helps warm the place up ...you know it's cool when open the refrig to get the juice and it feels warm in there!)

As I was saying, I settled down in front of my rig and slid on my favorite headphones. BTW I need to described my headphones - they're the large soft cushioned over the ear type. I call em XYL QRM killers. I got them because often times in the middle of a QSO my XYL would ask me something and blow my train of thought! But now, she teases me by moving her lips pretending she's talking to me to get me to pull them off to say "huh?" ...so I listened around 7040 and found a couple of QSOs in amoungst the QRM. I thumbed an old QST while listening to a weak QRP signal superimposed over some JA SSB. That's when I heard a loud but very low frequency(20-30Hz) hum in one ear! "WOW, what the tar-nation is that?" I sez to myself...I've had some hum problems with the old Drake but this was too weird! I unplugged from the R-4B and tried the Sierra - same thing!! VERY strange since my headphones are wired for MONO!! As I pondered where this hum might be coming from I removed my headphones and to my surprise ... Mr Miller Moth flew up to the light on top of the matchbox!!! I was amazed I didn't feel his wings banging against my ear but instead I only heard his LF hum!

Oh my question is: Anyone tried to make a pair of headphones out of those a pair resonant speaker tubes? might look a little silly but who cares? and besides Nils is starting to make sense to me!!

Steve/n0tu

Date: Mon, 19 Oct 1998 08:14:33 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: n7kt@earthlink.net
Cc: qrp-l@Lehigh.EDU
Subject: [22614] Re: Is there a good QRP List or News Group out there?
Message-ID: <199810191316.IAA00571@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Check you email program and see if it has a mail filtering function.
You may be able to automatically delete off topic messages so you

don't have to wade through them. I gave up on the daily digest and went this route. Now I no longer have problems getting swamped with Art Bell, FMLA, &c. I also regularly add conventions and contests to the filter list when the level of traffic rises to a higher than desired level. I just hope nobody tries to send me an important message with fox or cat in the subject HIHI.

73 Bryan W8LN

Date: Mon, 19 Oct 1998 09:28:35 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: n0tu@webaccess.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22615] RE: resonant speaker headphones?
Message-ID: <21E06269B00ED111BE9B00805F6D0FA3411012@mailserver1.usaninc.com>
MIME-Version: 1.0
Content-Type: text/plain

>>>> snip >>>

> Oh my question is: Anyone tried to make a pair of headphones out of
> those a pair resonant speaker tubes? might look a little silly but who
> cares?

>>> snip >>>

You might as well go ahead and wrap your entire body in aluminum foil and really get the neighbors talking. Do this while using your SPUD gun outside and they will call the little men in white suits and nets to visit you.

All kidding aside I think it's a good idea. What about a better implementation!

While on a trip recently I was looking at the el cheapo plastic (passive air tubes) headphones you plug into the seat to hear the movie. I was thinking if you just drill a hole(s) into the side of the tube chamber and plug in these (sound tubes) headphones then you can get the sound to both ears and not have to hold the tube(s) on you head. Anyone tried this? If so, let us know.

Sam Billingsley AE4GX Atlanta, GA

Date: Mon, 19 Oct 1998 09:35:15 -0400

From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [22616] Re: Is there a good QRP List or News Group out there?
Message-ID: <012501bdfb65\$4ea24d10\$6b1205d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bryan and Group,

This is why an accurate and updated subject line is important. How many times, after 3 or 4 rounds of replies, the message is different than the subject. Most people, myself included, sometimes forget to update the subject line.

73 de Vince, VE3VFN

-----Original Message-----

From: Bryan Turner <turnerw@email.uah.edu>
desired level. I just hope nobody tries to send me an important message with fox or cat in the subject HIHI.

Date: Mon, 19 Oct 1998 09:44:23 -0400
From: Scott Howell <showell@hq.nasa.gov>
To: qrp-1@Lehigh.EDU
Cc: cw@qth.net
Subject: [22617] Corsair II
Message-ID: <3.0.5.32.19981019094423.007caa70@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

if you are intrested in this rig, respond direct to the gent.tnx

73 de Scott/n3bbyy

>

>Tnx for the reply. If you know anyone that is interested in the
>Corsair II I will be glad to hear from them. It will be the Corsair
>II, Matching Power Supply/w speaker and the Matching External VF0. I
>am asking \$725 plus shipping. I think it is a very good deal. Let me

>hear from you please....
>Bud McClure K5IU0
>
>

Date: Mon, 19 Oct 1998 10:35:18 -0400
From: Ken Newman <n2cq@citnet.com>
To: njqrp@njqrp.org, QRP-L@Lehigh.EDU
Subject: [22618] QRP ARCI Fall Test: N2CQ
Message-ID: <1.5.4.16.19981019143138.24ef91ee@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry, QRP Contesters, but I wasn't able to spend much time on the Test this time due to SaltMine Inc. demands. This has been low in demands the last few months, but Oct changed big time.

The good part is the 15 and 10 meter activity. When you call CQ on 10m and the Europeans start calling on the back of the beam, it all comes back!

Great activity all around as far as that goes.

Time to put the GM-15 kit together asap!

The prelims:

Hours of Operation: 06:45

band	QSOs	points	mults
160	0	0	0
80	22	665	14
40	60	1827	23
20	38	1162	21
15	21	630	12
10	15	441	9

TOTAL	156	4725	79

SCORE: 373,275

Club or Team Name: NJ QRPeaNUTS

72/73,
Ken Newman, N2CQ
Woodbury, NJ

N2CQ@Citnet.com

Date: Mon, 19 Oct 1998 10:39:08 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: inforhc@mail.infocom.etecsa.cu, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22619] RE: Bandpass filter (mechanically tuned ...)
Message-ID: <21E06269B00ED111BE9B00805F6D0FA3411046@mailserver1.usaninc.com>
MIME-Version: 1.0
Content-Type: text/plain

>>> snip >>>

> You can't really obtain all the benefits of such filters if you
> try to make them into miniature cases...
> The recent posting related to the subject... BTW, is a step
> in the right direction to make the list more enjoyable to
> those who are interested in homebrewing QRP radios, that,
> I repeat... NEED NOT BE MINIATURE SIZE !!!
> As a matter of fact, while presenting QRP ideas to a radioclub
> this past Saturday - with a nice group of both mature and young
> hams- I confirmed that the association between QRP and
> miniature may be bad bussiness for QRP's future, as it
> scares away prospective homebrewers of QRP radios that
> otherwise may join us if it is made clear to them that LOW
> POWER does not mean SMALL SIZE !
> Arnie Coro
> C02KK
> e-mail: inforhc@mail.infocom.etecsa.cu
>

>>> snip >>>

Arnie you're absolutely right. Miniature is neat and cute but for those of us building and modifying our homebrew gear small can be difficult. For example, my tiny PIXIE PC board (from HSC) is hot glued to the wall of a bigger aluminum box (about 3" x 4" x 6") so I could add a separate acitve audio filter (switchable), dual VXO caps, volume control, power/key/antenna connectors and front-end multi-notch filter. These changes, over time, have enabled me to go from a PIXIE in a ALTOIDS box that was a conversation piece only into something that is usable for REAL QRP contacts on a daily basis.

Half the fun is learning through experimenting.

"LOW POWER does not mean SMALL SIZE!" quote by Arnie C02KK
Amen!

Sam Billingsley AE4GX e-mail: sbillingsley@usaninc.com
Atlanta, GA

Inverted L, Butternut Vert, Iso loop, Parking Lot Portable Vertical (PLPV)

40mtr Ramsey QRP+ HW7 HW8 HW9 NC38S Pixie(40mtr@150mw 10states)

NORCAL	2210	MI-QRP	1567	QRP-L	1033	ARCI	9356	AKQRP	308
GQRP	9660	ARS	269	NOGA			CQC	454	FISTS
5306									
ZOMBIE	273								

Date: Mon, 19 Oct 1998 07:52:41 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Sam Billingsley <SBillingsley@usaninc.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22620] RE: Bandpass filter (mechanically tuned ...)
Message-ID: <Pine.BSI.3.96.981019074735.26193B-100000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 19 Oct 1998, Sam Billingsley wrote:

>
> > You can't really obtain all the benefits of such filters if you
> > try to make them into miniature cases...
>

In the days of yore, filters were built in small boxes by putting
sheilding walls between the sections. Feedthru capacitors were used to go
through the walls, and the capacitance was part of the filter. This was
very common practice for 6M low-pass filters for TVI suppression.

You are right, though, that small is not essential for QRP, and
can be a problem for homebrewers. I refrain from using SMT for HF work,
and when I do use it I try to stick to the 1206 sizes.

/,-----.
/ What's all this \

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

LOU
KC0BBE

Monument, CO

Date: Mon, 19 Oct 1998 10:38:35 -0500
From: Dave Hassell <deh@tadpole.com>
To: qrp-1@Lehigh.EDU
Cc: wcarc@chatham.org
Subject: [22622] Resonant Speakers
Message-ID: <3.0.1.32.19981019103835.0078f588@mailhost.tadpole.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have been reading the really great info regarding resonant speakers posted to this reflector. With all the monstor rain we had in Texas this weekend, I spent lots of (quiltless) quality time in my radio shack. So I had plenty of time to play with radio. If you have some time to play, try this with your QRP and other rigs:

First experiment:

Using a HW-8. Fed AF from HW-8 into Autek QF-1 filter and then into Timewave 599y DSP then into homebrew resonant speaker. (RIG >>> Autek >>> DSP >>> Resonant Speaker)

WOW!

Signals filled the whole house. Barely audible signals jumped out of the background and were easy copy. It did require a fair amount of twiddling to find settings that were not so critical; but you could really finess a weak signal. I had to really turn down the volume (wife and kids not tremendous fans of whole house cw, go figure?)

Second experiment:

I was so pleased with results on HW-8 that I tried the same arrangment using my FT-1000D and FT901DM. I found that a combination of using the built-in APF peaking, filters, and bandwidth adjustments plus the rest of the gear were OUTSTANDING! I pulled plenty of EU stations out of the hash and worked them with no problem (QRO about 70 watts or less most of the time).

Third experiment:

Now a real test.....Hammarlund HQ 145 receiver using the same arrangement and the excellent crystal filtering built into this venerable old boatanchor.

Again the result, SUPER!

Its hard to believe unless you try it yourself. I have also heard that reversing the arrangement makes for some interesting audio. So next chance I get I will try this:

RIG >>>> DSP >>>> Autek Filter >>>> Resonant Speaker

Cant wait to try this out on Tuesday looking for the furry one. CU Then.

73...AB5WX QRP-L #1718 FISTS #3954

CW OPS DO IT ANYWHERE, ANYTIME, ANY CONDITION!

Support "KNOW CODE"

Date: 19 Oct 1998 11:53:55 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: w5yr@swbell.net, qrp-l;;
Subject: [22623] Speaker impedance background
Message-ID: <1998Oct19.115355-0400@[130.113.234.7]>

George Baker asks about the impedance of a loudspeaker, and how it is affected by resonating cavities.

A "barenaked" speaker (with no cabinet, or tubes attached) is a resonant circuit. At some frequency (usually quite low, between 30 to 200Hz) the cone mass resonates with the compliance of the cone suspension.

You'll see that the cone movement is greatest near this resonant frequency. You'll also see the electrical impedance higher than "8-ohms" at this frequency too.

For example:

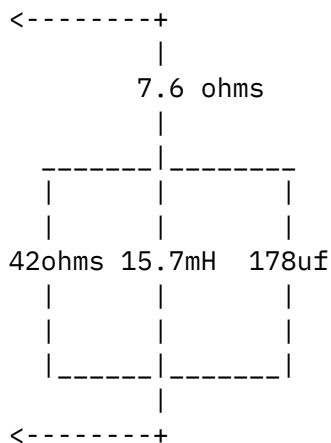
A five-inch diameter speaker impedance was measured:

-At DC, resistance was 7.6 ohms

-At low frequencies (up to 95Hz) the impedance was

inductive.

- Resonance was about 95 Hz: resistance was 48 ohms
- Between 95 Hz and 400 Hz, impedance was capacitive
- At 400 Hz, impedance was mostly resistive, about 8 ohms.
- Above 400 Hz, impedance was somewhat inductive, but not due to acoustical effects. Impedance rises with increased frequency. Here's a rough electrical equivalent circuit:



The resonant peak at 95 Hz. is entirely due to mechanical resonance. Its very tempting to suggest that we raise this resonance up to say, 600Hz where a CW note sounds sweet. One way is to build a very small air-tight case behind the speaker. The air in this cavity is "stiff" and its compliance will raise the resonant frequency considerably. Bonus: it is efficient, selective, and (since impedance is high) easy to drive.

Speaker impedance (8-ohm) is actually measured around 400 Hz (where the speaker impedance is nearly resistive), not at DC. DC resistance is almost always a bit smaller than 8-ohms. The magnet's effect also shows up: a larger magnetic field "magnifies" the resonant effect, and would also give more cone motion too.

What about the effect of the air? Loudspeakers are notoriously inefficient, and it turns out that the air load on a small loudspeaker has minimal effect. One way to improve speaker efficiency is to "match" the high-Z air load to the very low driving Z of the speaker's cone. Acoustically resonant cavities can help do this impedance matching job - a lot like impedance matching works in an antenna tuner.

Glen VE3DNL leinwebe@mcmaster.ca

Date: Mon, 19 Oct 1998 09:10:39 +0000

From: Robert Tellefsen <n6wg@earthlink.net>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [22624] Datong FL-2 Audio Filter
Message-ID: <362B020F.4E0A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I had a great time at Pacificon. It was fun to meet face to face those we only get to talk with on the air or via email.

Had a good time poking around in the flea market, too. Picked up a used Datong FL-2 audio filter. As always, no manual. I've heard good things about the Datong filters, though, so thought I'd give it a try.

Plea for Help: Is there anyone out there with a FL-2 manual that could help me to a copy? I have it working, but I'd like to know more about it.

Please email direct.

Many thanks and 72,
Bob N6WG

Date: Mon, 19 Oct 1998 12:02:32 -0400
From: Ronald_A_Pfeiffer@res.raytheon.com
To: qrp-l@Lehigh.EDU
Subject: [22625] FOXHUNT on the internet
Message-ID: <852566A2.00581CF7.00@ressud-as01.res.ray.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Gee I don't want to get flamed but is it fair to tell all (who have access to qrp-l at home) where the fox is after all it is a fox"hunt"...

And no I haven't chased the fox yet, I made the big mistake of selling my rig before buying the new one!!!

Ron - N1ZSW

Date: Mon, 19 Oct 1998 10:48:52
From: Steven Weber <kd1jv@moose.ncia.net>
To: w5yr@swbell.net
Cc: qrp-1@Lehigh.EDU
Subject: [22626] Re: PVC Audio Filter is ASP not DSP
Message-ID: <3.0.3.16.19981019104852.1d3f2fc2@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

HI George, et all,

>This thread on acoustic filtering has been very interesting. It has also
>raised
>the question in my mind as to the effect of the transducer impedance
>presented
>to the driving circuitry changing as a function of frequency.
>

Actaully, the impedance of a speaker varies all over the place, with
frequency. An 8 ohm speaker is only 8 ohms at a specific test freq, typicly
at 400 Hz. Below that the impedance goes down, above that it goes up. There
are also bumps and dips depending on the free air resonance of the cone,
loading effects, resonance of the speaker encloseur, etc. That's what makes
designing hi-fi speaker cabinets an art.

Audio amps can be tricky at times, since they must drive a very complex
load impedance. They must be able to drive high currents into a low
impedance at low frequencies, but be stable when driving a high impedance
at high frequencies.

Unless you have a very poor audio amp, it should have no trouble driving a
speaker with a sharp resonance at a specific freq.

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 19 Oct 1998 09:56:43 -0700
From: "Allan (Grant) Taylor" <k7gt@qsl.net>
To: qrp-1@Lehigh.EDU
Subject: [22627] Pacificon: Rave review
Message-ID: <362B6F4B.5840@qsl.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Big KUDOs to the gang that set up the Pacificon QRP events.

Plus's: Met lots of the gang
Got a Tick3 keyer
W7EL got to finish his QRP FD talk (almost anyway)
A good friend won the K2 (N6RY of Yosemite backpack trip fame)
Got to fondle a K2
NorCal 20 talk
Meeting and chatting with K1MG
Meeting and chatting with N6WG
Finally saw an integral sign in a Pacificon presentation
(thanks NA5N...)

Minus's: QRP Open House room way too small
No obvious time in the sessions to tour the exhibit hall
Swapmeet a bust

Obviously both QRP-related Minus's are actually signs of a smashing success!

See ya next year!!!

--

73 de K7GT
Allan Taylor (a.k.a. Grant) Pleasanton CA
email: k7gt@qsl.net
web page: <http://www.qsl.net/k7gt/index.html>

Date: Mon, 19 Oct 1998 18:41:28 +0200
From: Yaacov@barcode.co.il
To: qrp-1@Lehigh.EDU
Subject: [22628] RE: Bandpass filter (mechanically tuned ...)
Message-ID: <9810192302.AA0438@Yaacov>
Mime-Version: 1.0
Content-Id: <134_78_1_908836889>
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

(snip)

> BTW, is a step in the right direction to make the list more
> enjoyable to those who are interested in homebrewing QRP radios, that,
> I repeat... NEED NOT BE MINIATURE SIZE !!!
> Arnie Coro
> C02KK
> e-mail: inforhc@mail.infocom.etecsa.cu

I work in software. I'm an electrical engineer. During my studies I mainly studied integrated circuits and VLSI stuff. At work, I'm surrounded with ICs and VLSI. No transistors (except for high power ones), no resistors, no capacitors and even no inductors (which are replaced by gyrators). I understand how much integrated circuit system is important, but I am fed up with it: when I come back home, at the end of the day, I want to find my rig with rotatable knobs attached to varying capacitors (not with electronic varactors digitally operated by pressing buttons). I don't want any digital display. I would like my equipment to have a big room in it, for my clumsy hands to be able to replace a transistor or a resistor. I don't want to have to look for exactly the same chip when mine burns out or gets out of order. I don't need memories, scanning, DSP, voice processing or anything of the kind. I don't want all the extra features, which are condensed into the equipment box, and their real purpose is to make its price higher. I just want a simple CW transceiver. OKay, and a good filter. Nothing more, even not a frequency counter.

And - if there is any TV sets producer/company manager who reads this: PLEASE, give us back the TV sets with a rotatable channel knob, when we could easily (and rapidly!) scan all the spectrum (and maybe encounter some phones or taxi cab communication).

73,
Yaacov Yossef 4Z9DGF

Date: Mon, 19 Oct 1998 18:16:06 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, herr@ridgecrest.ca.us
Subject: [22629] Re: Cat destroys QRP station!!!!
Message-ID: <E0zVIts-0005A3-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hey, what a tale (?tail..) I am putting it in our club magazine!
Best wishes (to you - not the moggy)
Frank G3YCC
email: g3ycc@g3ycc.prestel.co.uk

QRP Web Site: <http://www.homeusers.prestel.co.uk/g3ycc/>

Date: Mon, 19 Oct 1998 13:22:21 -0400 (EDT)
From: James Skalski <jskalski@buffnet.net>
To: qrp-1@Lehigh.EDU
Subject: [22630] BY0 intelligent XCVR updates
Message-ID: <Pine.LNX.4.03.9810191318340.832-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I forwarded the updates to all that requested them Randy has his website up. The updates can be downloaded from the website.

<http://www.flash.net/~randylh/>

Happy building. There is nothing more satisfying than building a rig from scratch. At the same time there is nothing more frustrating and aggravating. (At least it happens when I build things)

73,

Jim (N2G0)

Date: Mon, 19 Oct 1998 11:27:09 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@Lehigh.EDU
Subject: [22631] FT757 ALC Control - Thanks!
Message-ID: <199810191125.FAA25000@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Thanks to everybody who helped me out with that one. I have enough to go on so will see if I can get it to work.

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express

"Everything for the Morse Enthusiast"

<http://www.MorseX.com>

(303)752-3382

--

Date: Mon, 19 Oct 1998 10:21:45 -0700 (PDT)

From: "KBÿVCC" <kb0vcc@rocketmail.com>

To: qrp-1@Lehigh.EDU

Subject: [22632] Counterweight on Dipole...?

Message-ID: <19981019172145.21281.rocketmail@web1.rocketmail.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Hey Gang,

I spent a good part of the weekend 45' up on the metal roof (12-12 pitch yikes! Great view, tho!) of our 3-story barn, patching a few leaks and doing antenna work. I put up a short base-loaded 2m vertical (too windy/icy here for much else) and replaced the rope supporting my dipole which ties on to the 2m vertical's base.

Last week, the far end of the dipole dropped to the ground as the rope that went thru the highest crotch of a tree rubbed through. I replaced the rope with the mid-strength (the 700+ lb) dacron/poleyester stuff from HRO, but instead of just knotting the stuff to the insulator, I tied that piece (the one through the crotch) to a pully. I then ran another piece through the pully, tied one end to the insulator and the other to a counter weight (antique cast-iron window weight) which hangs down, and pulled the pull up to the top of the tree. So now when the top of this 50+ foot tree sways violently back and forth 10+ feet in the wind, the dipole SHOULD remain fairly calm (as opposed to jumping up and down as it did in the past). The counter weight should go up and down instead. ...at least that's my theory. We've got 30mph gusts here today but I'm missing the show, being here in my office. Anyway, has anyone ever tried this before? I still have rope running through the tree's crotch, but it

shouldn't be pulled on so hard. I used "marine" type pulleys. Are they likely to wear out quickly? Might they cause RF noise (static) during the wind as the pulley rotates within its block? The closest pulley to the antenna is about 10' away from the insulator. How about icing? Do these things lock up? I left slack in the antenna just in case. I won't know for a month, how they'll and the rope will behave together with ice. Thanks in advance for your constructive comments and experience.

72/73,

-Dale

```
=====
Dale Anderson           In the Mt Washington Valley
KB0VCC                  Conway, New Hampshire
QRP-L #91 / CQC #251    Grid Sq: FN43KX
ARS #234 / FISTS #3172  http://www.qsl.net/kb0vcc
=====
```

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Mon, 19 Oct 1998 12:49:53 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22633] Re: FOX: HUNT on the internet
Message-ID: <023101bdfb89\$3420d460\$a10a5e2c@groucho>

OKAY, it wasn't me that started this thread. I sent a message to Paul on this subject too, but didn't want to open the flood gate!

It's not against the rules to post FOX SPOTS on qrp-l, but I think it is un-sportsman like for two reasons and a disadvantage.

Reason one: The whole idea is to tweak your receiving/hunting skills, getting the freq. off the net is like buying a homebrew rig from another Ham and saying you built it.

Reason two: Those on the list that aren't reading the list at the same time as the hunt, either out of choice or circumstance, are at a disadvantage.

It's not a level playing field.

Disadvantage: Posting FOX SPOTS to the list just helps your competition. I know it's just a friendly thing we've got going here, but hey, you do want to win don't you!

I'd like to propose a "gentlehunter's agreement" to hold off the Fox posts until the hunt is over.

Oh and please, lets not let this thread get out of hand, the S/N ratio on the list has been less than good lately.

BTW, although I can't shoot at the Fox yet, I found him last Thursday. What fun! Looking forward to next month.

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Mon, 19 Oct 1998 13:52:18 -0400

From: "Laurent C. Lafond" <aa1qj@loa.com>

To: qrp-l@Lehigh.EDU

Subject: [22634] Us vs Them

Message-ID: <362B7C52.3DD9@loa.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I recently received the By-Laws for the Association to which I am moving. There definitely is a restriction on Amateur Radio Antennae.

However, there is a caveat. It further states that "each individual request will be considered on..." "...it's own merits." Have to bring the matter up before the board, with descriptive literature regarding the antenna installation and they will make a decision.

My question - Has anyone approached the Board upon moving into a complex?? Would be interesting to hear some of the stories that came from the Meeting.

Second part - Would it be wise to bring the matter up? If rejected, would the complex 'spy' keep an eye out on me so that I wouldn't even be able to put up a stealth in the middle of the night?

tnx es 72
Laurent AA1QJ

Date: Mon, 19 Oct 1998 13:59:09 -0400
From: Martin Squicciarini <MSquicciarini@McGettigan.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [22635] RE: Counterweight on Dipole...?
Message-ID: <428B45F810F5D111A5D80001FA7E6AE3605733@NT_EXCH_SRV>
MIME-Version: 1.0
Content-Type: text/plain

I have never used pulleys and counterweights so I can't answer your questions but as an alternative I've used bungy cords between the antenna and rope support. I use the heaviest weight bungy cord I could find.

73 - Martin Squicciarini NR3Z
m_squicciarini@cbtech.com (work)
msquicciarini@mcgettigan.com (work)
skitch@resuba.com (home)

Date: Mon, 19 Oct 1998 13:13:23 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: qrp-l@Lehigh.EDU
Subject: [22636] Dipole and weights
Message-ID: <199810191815.NAA04452@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I had an 80 meter dipole up for about 12 years. One end was tied to the house, and the other end was connected to a rope over a tree. The nylon rope was connected to tire and wheel lying on the ground. The wheel weight allowed enough play in the dipole to prevent snapping in the wind. Every once in a while I would move the wheel if I noticed too much droop. I never had problems with rope or wire breakage.

73 Bryan W8LN

Date: Mon, 19 Oct 1998 13:18:15 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: Ronald_A_Pfeiffer@res.raytheon.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22637] Re: FOXHUNT on the internet
Message-ID: <362B8267.D0F0950F@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Perhaps an exception should be made in the case of the last hunt since the Fox failed to give an estimate of his starting frequency in his announcement prior to the start of the activity. ("Fox must post PRIOR to operation day with details (rig, ant, freq) regarding their operation.")

Many of us failed to look as far as 7030 from the boggy frequency of 7040, even though the rules allow for +/- 10 kHz on 7040.

But, I tend to agree with you. Once the chase is on, QRP-L should perhaps remain silent on the matter until the chase is over. Then, let the bragging begin!!

72/73, George

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ARS 10-X 33.2 N 96.6 W EM13R

Ronald_A_Pfeiffer@res.raytheon.com wrote:

>
> Gee I don't want to get flamed but is it fair to tell all
> (who have access to qrp-l at home) where the fox
> is after all it is a fox "hunt"...

Date: Mon, 19 Oct 1998 11:22:49 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@Lehigh.EDU>
Subject: [22638] Pacificon Report from KI6DS
Message-ID: <01bdfb8d\$7ad853c0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fun!! That is what I had at Pacificon. The speakers all did an outstanding job and every session was standing room only. The room that we had for Roy Lewallen, Bill Jones, Dave Fifield and Ade Weiss held 200, and it was packed. Many complained to me in the hall that we needed a bigger room. We were scheduled for the big room, 300 capacity, for George Dobbs and Paul Harden's talks. The chairman of the committee told me that finally we would have a big enough room. Little did he know. Both Paul and George played to SRO. People came up and said that we needed a bigger room!! We then moved downstairs to a room that seated 100, and that was also filled to capacity for Brian Kassel.

NorCal shirts, Zombie Shirts, and Zombie badges were everywhere you looked. It was great seeing all of the attendees. There were a couple of things that I want to share with you.

The first is that we had reservations for 40 at Tony Roma's for Friday night. When we got there, the manager was furious with me. We had 52 seated in the room and 12 more outside in the regular seating area. I had made arrangements so that the tickets would be split into groups of 5 and that each group would pay their own tab. The manager informed me that there would only be one tab, and that I was responsible for it and that if I didn't like it, the whole group would be asked to leave. Decision time. Ok, I agreed to one tab for the group. (What other choice was there?)

Then I went into the banquet room and explained that we were all going to be on one tab, and that each would have to keep track of what they ordered, add 8% for tax and 15% for tip and please everyone be honest and don't stiff me, as I am on the line for this one. After dinner, I walked around the room, and everyone handed me money. I had no idea who owed what. I was at their mercy, and I had to have faith in my fellow QRPers. With a stack of money in my hand, I went to the office with the waiter. Along the way he said, "I sure hope you have some money fella, because this is going to be one big bill and what you did with that group never works, it always comes up short by a bunch." You should have seen his face when he told me the bill was \$878 and I counted the money and had \$871. He said, "Hey, that isn't bad, just \$7 short." I replied, no, you are wrong, it is \$13 over, as I have not put my \$20 in." Think of it guys, what a great group of guys QRPers are. It worked out just fine!!

Next year we will move to a restaurant called Fuddruckers. They have a much bigger banquet room, and you pay individually as you go through the line. Tony Roma's didn't keep the bargain that they made, and they obviously are not able to handle a group as large as ours.

Afterwards, we adjourned to the hotel. I mentioned to the group that if anyone wanted a compendium, they could stop by the room and pick one up. I thought maybe 8 or 10 would show up. Wrong!! I had to stop for diesel for my truck, and was a few minutes late getting back to the hotel. Walked down the hall way, turned the corner to go to my room and WOW! 50 people waiting in the hall to get their compendiums. (That was one box that we didn't have to carry down to the meeting rooms the next morning.) You can't imagine how shocked Paul and I were to see this crowd. A lot of them stayed and visited, and more would have if they could have fit into the room. Next year, we will have the hospitality room open Friday and Saturday nights. I had no idea that so many would show up on Friday night.

The building contest! Oh my gosh! Bill Jones, Dan Tayloe, and Pete Hoover literally took my breath away with their projects. Bill entered a computer controlled receiver, and won first place. Dan won second with his new transceiver that has a patent applied for mixer. Pete placed third with his miniature Z-match antenna tuner. Pete's was in the summer issue of Qrp Quarterly, and many of you have seen it. Bill and Dan's have never been seen before. I hope that both will give a more detailed description here on the list. Both will be writing articles for QRPP. Jerry Parker will have pictures on the NorCal web page in a few days.

The winning paddle was done by Darrel Jones. My gosh, it has a chrome base, highly polished brass parts, TiCK keyer enclosed in the base, holly carbs, bored and stroked engine, 4 on the floor, and on and on. Seriously, a work of art. Beautiful job.

I am doing this from memory, and I will have to get the list of the rest of the prize winners. I will also list the prize sponsors later.

The compendiums were all gone by 9:30 in the morning, and I must have had at least another 100 people ask for one. The attendance of QRPers was estimated at 400 by the Pacificon People. They were totally amazed at the invasion of the "Zombies". Don't know how many zombie converts Paul collected, but he was just about out of badges by the time he left.

Pacificon is a pleasant memory. I would like to thank all who worked to make it possible. Here is a list, and I apologize for leaving you out if I do:

Jim Cates, Dave Yarnes, Jerry Parker, Bill Jones, Roy Lewallen, Dave Fifield, Ade Weiss, Paul Harden, George and JoAnna Dobbs, Brian Kassel, Chuck Adams, Rex Harper, Gary Dianna, Brad Mitchell, Mike Gipe, Jeff Grudin, Wayne Burdick, Eric Swartz, Bob Dyer, Vern Wright, Derry Spittle, Doug Hauff, Pete Hoover, John Dundas, Rich Fisher, Monte Stark, Mike Chzhajewski, Bob Tellefsen, Conrad Weiss and everyone who attended and paid their bill at Tony Roma's and most of all, the attendees who came and had fun.

72, Doug, KI6DS

Date: Mon, 19 Oct 1998 11:40:18 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [22639] Pacificon: Fantastic! (although 0-6 :-()
Message-ID: <362B8792.64216D5E@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Pretty quiet on QRP-L this morning. That's understandable, as we're back from Pacificon and back to the office already.

This was the first Pacificon for me and for my wife (Judy, KE6YBS) who is not of the QRP persuasion. It certainly won't be the last. Much better than the last ARRL Convention in my own Division, for sure.

It was great to be able to put the faces with the callsigns that I've seen here for the last several years. Although I've met Doug and Jim before, at the pre-Field Day picnic of the Zuni Loop Gang, it was great to see them again.

We arrived on Thursday evening and checked in just in time to meet Dave (AB5PC) and Denny (AD6EZ) and their wives for the dinner outing that Dave had arranged. Soon our group grew to nine, and we ventured off to the Peppermill Restaurant across the street, where we talked QRP until nearly 10 PM.

The next morning, Judy and I were up bright and early to attend the all-day antenna forum. Definitely worthwhile to attend! If this is repeated in upcoming years, I would recommend it highly. We came away with a lot of knowledge and notes.

I can't say enough good about the QRP forum on Saturday. Major thanks to Doug and everyone else who gave presentations or facilitated them. Glad I got there early, as the 200 compendiums and six-pack boards went fast. Again, thanks to Doug and the Rev. Dobbs for their contributions in this area.

I agree with Grant about the size of the room for the QRP Hospitality Suite,

but understand that we had to sacrifice all of the meeting rooms in order to accommodate the banquet that evening. The homebrew exhibits were terrific! How about that radio in the ceramic case? A real attention-grabber. Even with the crowded conditions, I managed to pick up a set of parts for the six-pack boards and a Tick3 keyer kit, along with some freebie components. Also had a chance to talk with Paul, and got my Zombie badge with a prime number (457) as a bonus. Picked up a Zombie T-shirt from Jerry Parker after one of the talks.

The vendor area was packed, and I gave up some money there. It was nice to be able to see the K2 in person; looks like something I'll buy for sure, when it becomes available. It would have been nice to have the vendors open on Friday as in the past. Anyone know why this changed this year?

Never found much evidence of a swapmeet, but those things are historically a bust in the southern part of California, when held in conjunction with an ARRL Convention.

As usual, I didn't win any prizes. That makes for an 0-6 record (0-12, if you count our combined losses) for four consecutive ARRL Southwestern Division Conventions, Visalia, and now Pacificon. Wonder if either of us will win anything before we get a losing record like Illinois or Prairie View? :-(

Anyway, all things being equal, I'm looking forward to being there in years to come.

72 de Jim - AD6CW

Date: Mon, 19 Oct 1998 14:55:31 EDT

From: SABorns@aol.com
To: qrp-1@Lehigh.EDU
Subject: [22640] OHR-500
Message-ID: <50f9ddd5.362b8b23@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

The postman just arrived with my Oak Hills OHR-500 kit. The kit looks terrific with a neatly bound instruction manual. I'm off to the bench. Will report when I come up for air.

73, Steve K8IDN

Date: Mon, 19 Oct 1998 14:10:00 -0500
From: Dave Hassell <deh@tadpole.com>
To: qrp-1@Lehigh.EDU
Subject: [22641] Resonant Speakers
Message-ID: <3.0.1.32.19981019141000.0106f314@mailhost.tadpole.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Mon, 19 Oct 1998 10:38:35 -0500
>To: qrp-1@Lehigh.EDU
>From: Dave Hassell <deh@tadpole.com>
>Subject: Resonant Speakers
>Cc: wcarc@chatham.org

>

>

>

>I have been reading the really great info regarding resonant speakers posted to this reflector. With all the monster rain we had in Texas this weekend, I spent lots of (quiltless) quality time in my radio shack. So I had plenty of time to play with radio. If you have some time to play, try this with your QRP and other rigs:

>

>

>

>First experiment:

>

>Using a HW-8. Fed AF from HW-8 into Autek QF-1 filter and then into Timewave 599y DSP then into homebrew resonant speaker. (RIG >>> Autek >>>

DSP >>> Resonant Speaker)

>

>WOW!

>

>Signals filled the whole house. Barely audible signals jumped out of the background and were easy copy. It did require a fair amount of twiddling to find settings that were not so critical; but you could really finess a weak signal. I had to really turn down the volume (wife and kids not tremendous fans of whole house cw, go figure?)

>

>Second experiment:

>

>I was so pleased with results on HW-8 that I tried the same arrangement using my FT-1000D and FT901DM. I found that a combination of using the built-in APF peaking, filters, and bandwidth adjustments plus the rest of the gear were OUTSTANDING! I pulled plenty of EU stations out of the hash and worked them with no problem (QRO about 70 watts or less most of the time).

>

>Third experiment:

>

>Now a real test.....Hammarlund HQ 145 receiver using the same arrangement and the excellent crystal filtering built into this venerable old boatanchor.

>

>Again the result, SUPER!

>

>Its hard to believe unless you try it yourself. I have also heard that reversing the arrangement makes for some interesting audio. So next chance I get I will try this:

>

>RIG >>>> DSP >>>> Autek Filter >>>> Resonant Speaker

>

>Cant wait to try this out on Tuesday looking for the furry one. CU Then.

>

>

>

>

>

>

Date: Mon, 19 Oct 1998 19:33:05 +0100

From: wd3p@juno.com (Larry Cahoon)

To: qrp-1@Lehigh.EDU

Subject: [22642] ARRL 10 Meter Contest Wallpaper

Message-ID: <19981019.193306.14310.1.wd3p@juno.com>

I'm going to have to pay more attention to QST when it arrives. A nifty piece of wallpaper arrived in the mail today.

First Place Single Operator CW only, QRP Maryland Section.

Did it on all of 21 QSOs, just playing around. Good thing I didn't add in a phone QSO, I would have gotten beaten.

Of course there was only one CW only QRP log from MD, but wallpaper is wallpaper, hi, hi.....

A pleasant surprise.

73/72 de Larry.....WD3P in MD

WAS on a total power output of 18.6 Watts

Worked all US Counties on an average power of 53.7 Watts and falling.....

<http://www.erols.com/lejek>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 19 Oct 1998 19:28:01 +0100
From: wd3p@juno.com (Larry Cahoon)
To: qrp-1@Lehigh.EDU
Subject: [22643] The Fall ARCI Contest
Message-ID: <19981019.193306.14310.0.wd3p@juno.com>

I didn't have a lot of time for this one between the kids soccer match on Saturday and a visit to my sister up from Australia, but I had fun none the less. Ran the contest at 30 mWatts except for on contact where I forgot to turn the power down - that went in at a hefty 500 mWatts.

The setup was the Sierra with a homebrew attenuator and a simple dipole for each band. I ran on 80M, 40M and 20M.

I ended up with 22 QSOs in 13 states and Canada. Best QSOs were two into WI and one into OK. I heard CO, AZ, OR, WA and MN but they couldn't hear me. I'll likely delete the 500 mWatt QSO just to stay in to low power class.

It was FUN!!!!

73/72 de Larry.....WD3P in MD
WAS with a total power output of 18.6 Watts
Worked all US Counties with an average power of 53.7 Watts and
falling.....
<http://www.erols.com.lejek>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 19 Oct 1998 14:05:47 -0600
From: Tim Pettibone <tpettibo@NMSU.Edu>
To: QRP-L@Lehigh.EDU
Subject: [22644] No ARCI Contest but 12 new hams!
Message-ID: <3.0.2.32.19981019140547.006af680@cnmailsvr.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Darn! Wasn't able to work any of the contest. Since Friday at 5pm have spent 26 hours in another one of our weekend Technician Ham Radio License classes. Had 14 sign up, 13 take the class, and 12 take the NOVICE and TECHNICIAN examinations (one poor fellow had to go to work just before we gave the exams). ALL PASSED! We used the ARRL Video Tapes but we reordered the segments to what we considered a more logical order. We also downloaded the item pools and reorganized them to match up with the tape segments. Worked better for us than the ARRL Book.

I realize that there are those who disagree with our objective of "just" getting people to pass the test. Some would like to stretch the class out into 8 or 10 or 15 weeks. I guess we could debate that notion to death (NO, not another extraneous thread!) but what's important to me is that we now have some new hams into our fold. By the way, Karl WF5A, and myself gave them a pretty good dose of QRP propaganda. Karl set up his SGC2020 and a modified SLV on the front lawn and commenced to work several stations in a successful demo. He also got on our 2m MEGALINK and showed them what could be done with VHF on linked repeaters accross the state. I think we really got some excited about ham radio. We are planning on a weekend code course (actually, we've done this before and there is about 2 weeks of code tape homework before the weekend.) Last time 7 of 11 passed the 5 wpm code test.

By the way, Karl does a lot of work over in Africa. He's going to be on

Sorry for the bandwidth but you should have heard the whoops and hollars when the VE team announced that all had passed!

Date: Mon, 19 Oct 1998 14:20:35 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Cc: GQRP-L List <qgrp-l@blacksheep.org>
Subject: [22645] MAJOR STORM & AURORA WATCH (fwd)
Message-ID: <Pine.SOL.3.91.981019141235.18327A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Auroral activity is expected this evening, extending well into the middle latitudes in both the US and Europe, as the result of a CME on 15 Oct. This CME will also trigger a major geomagnetic storm. For those interested in viewing the auroral activity, I am forwarding portions of the official alert that describes the watch region. Good viewing!

----- Forwarded message -----
From: Cary Oler <oler@holly.cc.uleth.ca>
Subject: AURORA WATCH: LOW Latitude Auroral Activity WATCH

VALID BEGINNING AT: 06:00 UTC ON 19 OCTOBER
VALID UNTIL: 19:00 UTC ON 20 OCTOBER

>FOR THE U.S. AND CANADA ...

AURORAL ACTIVITY MAY BE OBSERVED APPROXIMATELY NORTH OF A LINE FROM...

OREGON TO EXTREME NORTHERN UTAH TO EXTREME NORTHERN COLORADO TO
NORTHERN KANSAS TO MISSOURI TO KENTUCKY AND POSSIBLY NORTHERN
TENNESSEE TO NORTH CAROLINA.

>FOR EUROPE ...

ACTIVITY MAY ALSO BE OBSERVED APPROXIMATELY NORTH OF A LINE FROM...

NORTHERN FRANCE TO GERMANY TO POLAND TO NORTHERN RUSSIA INCLUDING
PERHAPS A GREAT PART OF ENGLAND AND IRELAND, ALL OF NORWAY, MOST OF
SWEDEN AND ALL OF FINLAND. OBSERVATIONS OF STRONG ACTIVITY WILL ALSO
BE POSSIBLE FROM NEW ZEALAND AND EXTREME SOUTHERN AUSTRALIA.

SYNOPSIS...

An unexpectedly vigorous interplanetary disturbance impacted the Earth late in the UTC day of 19 October. The disturbance, thought to be related to the coronal mass ejection from a recent eruption of a solar filament, is currently associated with very favorable characteristics for producing strong levels of auroral activity. Already, auroral activity has intensified notably and minor to major geomagnetic storming is developing. The main phase of the disturbance arrived early in the UTC day of 19 October and is expected to continue to produce periods of high to intense auroral activity over the high and many central middle latitude locations throughout the next 12 to 24 hours. The lack of lunar interference will result in optimal observing conditions for most middle latitude dark-sky sites. This disturbance should begin subsiding later this UTC day (19 October) or early on 20 October.

Near real-time POLAR spacecraft auroral imagery is available at:
<http://solar.uleth.ca/solar>
in the Aurora section (or see the side panel).

** End of Watch **

Date: Mon, 19 Oct 1998 16:14:01 -0400
From: wb8ygg@juno.com
To: qrp-1@Lehigh.EDU
Subject: [22646] NC-20 and TiCK-3 Problem
Message-ID: <19981019.161402.13750.2.wb8ygg@juno.com>

Hi QRP folks,

The issues associated with NC-20 TiCK that were implemented properly, were slightly botched up in the TiCK-3 aka Super TiCK implementation.

With the interest of making sure that the NC-20 is a superior radio, Embedded Research is recalling all TiCK-3's that were sold specifically to be put in the NC-20.

We are working with a new version of the TiCK-3 that fixes the problem, and will replace the TiCK-3's that are out that are to be used in the Norcal-20.

The TiCK-3 is perfect as it stands for all other applications, so if you bought an emb, tixie, dip kit, smt TiCK-3 etc, don't worry, it's fine.

We apologize for any inconvenience that this may cause!

Please return the chips to
Embedded Research
P.O. Box 92492
Rochester, NY
14692
USA.

Again, sorry for the problems here guys and gals, but we'll get it straight!

73

"One of the TiCK Guys"
Brad WB8YGG
<http://www.frontiernet.net/~embres>
embres@frontiernet.net

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 19 Oct 1998 16:26:01 -0400
From: "Laurent C. Lafond" <aa1qj@loa.com>
To: qrp-l@Lehigh.EDU
Subject: [22647] Re: Us vs Them
Message-ID: <362BA059.4C58@loa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

tnx fer all the cumbks. Some really good info. Expecially the
URL sent by Rick kf4ar

<http://www.gate.net/~donstone/antenna.html>

Always knew that QRPers were the greatest!

tnx agn, 72,
Laurent

Date: Mon, 19 Oct 1998 16:46:11 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@Lehigh.EDU
Cc: K3USC@worldnet.att.net
Subject: [22648] Corsair II
Message-ID: <3.0.5.32.19981019164611.00820b60@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am reposting the info. Seems the E-mail address didn't get to everyone.
its directly below my comments and the prodigy stuff. His name is in () marks.
hope this helps.

>X-Mailer: Prodigy Internet GW(v0.9beta) - ae01dm04sc03
>From: NRJD84D@prodigy.com (MR BUD MCCLURE)
>Date: Sun, 18 Oct 1998 13:36:13, -0500
>To: whowell@hq.nasa.gov
>Subject: Corsair II
>

>Tnx for the reply. If you know anyone that is interested in the
>Corsair II I will be glad to hear from them. It will be the Corsair
>II, Matching Power Supply/w speaker and the Matching External VF0. I
>am asking \$725 plus shipping. I think it is a very good deal. Let me
>hear from you please....

>Bud McClure K5IU0

>

>

Date: Mon, 19 Oct 1998 14:07:15 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "QRP-L list" <qrp-l@Lehigh.EDU>
Subject: [22649] Pacificon highlights
Message-ID: <071501bdfba4\$75ceb010\$140a0a0a@double_trouble.reliablemeters.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang --

A collection of personal highlights from Pacificon:

Walking into the 8:00 AM QRP session and seeing HUNDREDS of people already there.

Just before his talk, I handed Dave Fifield AD6AY an AFA chip with the latest firmware changes for him to test in the NC20 prototype. Just after lunch, he found me in the lobby and whispered, "It works perfectly."

Learning about radios with "great personalities" from Bill Jones KD7S. :-)

Finally meeting some of the nicest QRPers that I've talked with on the air in person, like Jim Larsen, Dan Tayloe, Ade Weiss, Grant Taylor, and many more that I've left out, including a whole nest of Arizona Scorpions.

Seeing the sea of yellow zombie shirts moving through the crowds.

Going into the commercial exhibit hall, walking past the empty ICOM booth towards the Elecraft booth, which was four-deep with interested on-lookers.

Saturday evening, Doug Hendricks tried to escape the stress of organizing such an event by going out to dinner with a small group to a restaurant several miles from the hotel. On the way, he sighed and said, "Finally, I can stop answering questions about selling

Compendiums!". While he was waiting for a table at the restaurant, someone in the restaurant walked up to him and asked, "Are there any more of those Compendiums available?"

Being blown away by all the creativity captured in the building contest projects.

Realizing that Bill Jones KD7S won the building contest WITHOUT building an ABS case!

Judging the CW sending contest, trying to catch an error at 45 wpm, while Chuck Adams K5FO was looking over my shoulder.

Watching Paul Harden NA5N standing in the middle of the Taco Bell drive through at 11:30 PM, trying to imitate the sound of a motorcycle engine, so they would open the window and take his order. It worked!

Sitting in the lobby yacking, and watching Dave Fifield's eyes bulge when a distinctive looking person walked out of the adjacent lounge -- and the drunken wedding guest offering to introduce him!

Listening to fox hunter Ron Stark KU7Y's tale of his big game deer hunt and Chuck Adam's poker tournament stories.

Mike K1MG

Date: Mon, 19 Oct 1998 15:08:48 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: "Jerry W. O'Dell" <jwodel@ameritech.net>
Cc: qrp-1@Lehigh.EDU
Subject: [22650] Re: MAJOR STORM & AURORA WATCH (fwd)
Message-ID: <Pine.SOL.3.91.981019143935.18327B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 19 Oct 1998, Jerry W. O'Dell wrote:
> Hey! Please post what a CME is (_____ magnetic event)
>
> 73 jerry w8gnd

Sorry, Jerry and others.

A CME is a "Coronal Mass Ejection." This is a solar flare that hurls "mass" into space. If and when this mass hits the earth, it perturbs our magnetic field to cause a geomagnetic storm, and in some cases, trigger or enhance auroral activity. The mass hurled out by this event has a trajectory that will hit the earth. This was verified yesterday as the SOHO satellite (back on line) detected the wavefront of particles as it passed SOHO on it's way to earth.

In the case of the Oct. 15th CME, it was described as a "full halo CME." This is a major CME event where some of the ejected mass got trapped in the magnetic field lines of the disturbance and formed a halo. These are the photos of a flare you may have seen that are a large loop (halo) of burning gas extending out from the solar surface, as opposed to some solar flares that look like a "finger" of gas sticking out from the sun.

Trying to determine if a solar flare was also a CME is of great concern, because a huge CME (not yet occurring this solar cycle) with sufficient trajectory and intensity (high speed and high density of the particle radiation) could destroy satellites, and the shock wave could knock those in low earth orbit into our atmosphere to burn up. These particles, if they reach the earth's surface (GLE or ground level event), could also cause massive power outages due to failures in the power grid/transmission lines, etc.

Wouldn't it be neat if we had a really cool ground level event CME on Jan. 1, 2000 that took down the power grids and what not. We'd be arguing the rest of our lives whether it was the CME or Y2K that did it :-)

72, Paul NA5N

Date: Mon, 19 Oct 1998 16:30:11 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: qrp-1@Lehigh.EDU
Cc: firstframe@cahaba.com, gthomas@ro.com, "matchstick" <jreynolds@airnet.net>, rexfree@juno.com, reading@airnet.net, ks4lu@nadxc.org, Railroy43@aol.com, "Landers, Tim" <tlander2@ingr.com>
Subject: [22651] Callbooks
Message-ID: <199810192132.QAA07239@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

The two following address pages are for call book services that allow you to customize a personal profile. You can have email addresses listed with you call, and you can list interests (such as QRP).

<http://www.qrz.com/directory.cgi>

http://www.buck.com/cgi-bin/do_hamcall

73 Bryan W8LN

Date: Mon, 19 Oct 98 17:44:53 PDT

From: "Robert Roach" <KE4QOK@worldnet.att.net>

To: aa1qj@loa.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [22652] Re: Us vs Them

Message-ID: <MAPI.Id.0016.004534514f4b20203030303630303036@MAPI.to.RFC822>

MIME-Version: 1.0

Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"

Content-Transfer-Encoding: quoted-printable

Content-Transfer-Encoding: quoted-printable

My guess would be that if you are going to go before the association it = would be good to be able to have the blessing of as many worth causes as = possible. If you work with the Red Cross, FEMA, ARES, RACES, Skywarn or = any other organizations that your neighbors might view as worthy, get lett= ers of recommendation and don't ask for 200 feet of tower with an 80M bea= m.

I am planning to test this approach very shortly. It also helps to get = yourself elected an offecer of the association before blowing your cover = as it were. Many association officers only do it because no one else wan= ted to and may be glad to let you have a shot at it.

73

KE4QOK

Bob

> I recently received the By-Laws for the Association to which I am
> moving. There definitely is a restriction on Amateur Radio
> Antennae.

>

> However, there is a caveat. It further states that "each individual
> request will be considered on.." "...it's own merits." Have to bring
> the matter up before the board, with descriptive literature regarding
> the antenna installation and they will make a decision.

>

> My question - Has anyone approached the Board upon moving into a

> complex?? Would be interesting to hear some of the stories that
> came from the Meeting.
>
> Second part - Would it be wise to bring the matter up? If rejected,
> would the complex 'spy' keep an eye out on me so that I wouldn't even
> be able to put up a stealth in the middle of the night?
>
> tn timer 72
> Laurent AA1QJ
>

Date: 19 Oct 1998 17:32:02 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [22653] Radio cleaning, odor neutralizer
Message-ID: <n1303304156.11329@msmailgw1.arlut.utexas.edu>

Sorry to hear of the invasion of the cat to the QRP shack.

Just a couple hints on radio cleaning. Even with a tube radio, such contamination that is water soluble can be cleaned by misting the affected area with distilled water from a spray bottle. Then use a hair dryer or heat gun for final drying. Keep the chassis with parts above the sprayer above the sink or a trash can with absorbent material in it, so that water will run off and not condense in transformers, or other sensitive components.

The preferred drying for extensively wetted, or flooded electronics, is the distilled water rinse to be followed by baking in a low oven, and keeping the parts well below the temperature that might affect them. Thus, keep the temperature no higher than 100 degrees F, or check the ratings on the type components in use. (That is in the catalog and data sheet descriptions.) On old equipment, the most vulnerable parts were the paper labels and wax capacitors as to heat application, or the cloth insulated wiring and resistors.

A type of brush found in the plumbing stocks at builders stores, called an acid brush, is useful in that its bristles can be made stiff by cutting the length in half or more. Then it is used for washing out the nicks and crannies. These brushes, used for fluxing copper pipe, typically have tin metal handles.

For odor removal, one can use a product from the home centers called "Bio Zap". I would remove it after it has neutralized odors as stated above, as I

would not trust that it might not have a corrosive to metal chemical in its formula.

To those having dismay at the concept of washing out the interior of their QRP kit; no less authorities than Tektronix issued tech bulletins on the great benefits of washing down old dirty scope interiors that were out of calibration. Many times the use of mild detergent and water followed by water rinse and baking restored the calibration of equipment without turning a pot! Of course, any lubricants on switch contacts or capacitor rotors have to be restored after energetic washing. But Tektronix was using a spray nozzle much like the kitchen sink hose set up. Our local cal shop made a wash stand to preform the process and used it until the end of the tube scope years, when solid state scopes seemed to attract less grease and dirt because of operation at lower temperatures requiring smaller or no fan pulling dirty air into them.

The alcohol freon sprays were also a way to clean dirty electronics of coffee spills and the like, but their replacement sprays today sometimes are suspected of affecting plastics unfavorably. The same can be said of many chemical solvents. Water is the most benign.

72, Stuart K5KVH

Date: Mon, 19 Oct 1998 16:37:16 -0600
From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-1'" <qrp-1@Lehigh.EDU>
Subject: [22654] FOX - HELP
Message-ID: <01BDFB7E.BC849AE0.bmug@gw1.com>

Are there any postings on the Fox hunt this Tuesday or Thursday night Local? I just scanned the weekend digests and nothing posted.

Last Thursdays hunt for W8RU was fun but a lot of work finding him. I see KV2X will be on Tuesday late and K8CV on Thursday K8CV will be on late (good I'll make my class and be able to try from the truck in the parking lot - no I won't be moving, have a hard enough time walking and chewing gum).

Anyway, anyone seen any early posts on these guys?

de KB0ROL, Brad

Date: Mon, 19 Oct 1998 18:48:37 EDT

From: WD6BOR@aol.com
To: n0tu@webaccess.net, qrp-1@Lehigh.EDU
Subject: [22655] Re: resonant speaker headphones? A great idea!
Message-ID: <44c23f73.362bc1c5@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Steve and the group,

I think the whole idea of developing resonant speakers and headphones deserves much more consideration. In fact, I'm going to urge Doug to have a separate builders' category at Dayton next year for resonant speakers with special prizes for headphones. With the imagination and creativity this group has shown, I think we could impress the QRO'ers quite a bit with our QRP style and class.

I'm going to dig out some old Buck Rogers and Flash Gordon comics and videos and see if I find any good ideas.

72 and may the Farce be with you,

Darrel, WD6BOR
Sonoma, CA

Date: Mon, 19 Oct 1998 18:48:48 EDT
From: WD6BOR@aol.com
To: qrp-1@Lehigh.EDU
Subject: [22656] Pacificon!!! Oh boy, oh boy, oh...(long)
Message-ID: <f0a8f89a.362bc1d0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I'll address this to Doug Hendricks, but it is really for all those who made the QRP part of Pacificon such a wonderful experience.

Thank you!

Reading other posts and talking with fellow QRPers at Pacificon I realized, and really already knew, that I wasn't the only one to lose a lot of sleep during the week leading up to Pacificon. I was fortunate in that work wasn't making overwhelming demands on my time during the week, but I still only had

about four hours of sleep Friday night. I was awake anyway so I got up at about four-thirty and was in the parking lot at the swap meet by six-thirty looking for a few bargains by flashlight with the rest of the insane. I was delighted to find Don Johnson, W6AAQ, there selling a few of his original DK3 Screwdriver mobile antennas. If I'm ever going to be anything other than a no-code extra I need to start operating mobile, so I was able to buy one of the last antennas from the back of his pickup. I doubt that there were any left by seven-thirty.

I wanted to be at Pacificon in time for the first forum not only to hear Roy Lewallen, W7EL but to get a copy of the Compendium that Doug Hendricks, KI6DS, put together and a set of the Six Pack boards that George Dobbs, G3RJV, brought over. I wasn't disappointed in any of them. The Compendium is everything Doug promised and the Six Pack is indeed a great starter for getting new hams building projects and enthusiasm. The many QRPers who were not able to attend Pacificon won't be left out because Doug will be reprinting the Compendium in future issues of QRPp and the Six Pack boards and parts are available through Kanga here and in England.

Roy Lewallen, W7EL, had his full two hours for his QRP Field Day, antenna and locations presentations and the time still wasn't adequate to our needs. He gave the audience a great deal of information of picking antennas and then locating them to maximize their efficiency to the individual needs of the operator's location and target. Roy had done the homework necessary to condense a tremendous amount of information and then make it useful to the hams within the constraints of the forum.

Bill Jones, KD7S, has been making simple, inexpensive enclosures from ABS plastic for years and making them look like high-dollar Collins or Drake cabinets that look like scale models of originals. He not only has refined his techniques but has put all his valuable information into an easy to understand presentation. The audience seemed especially interested in his labeling techniques and couldn't seem to believe he got such outstanding results from such simple methods.

I don't know if Dave Fifeld, AD6AY, is ever going to volunteer for another project. He told Doug that he wanted to design a "proper" radio last year and looked at Pacificon as if he were someone who had sold his soul to the devil. He tackled the task of designing the NorCal 20, which will be the next NorCal kit, and has probably put a quarter of a million dollars worth of effort into the project. Dave gave an excellent overview of the NorCal 20 design process and circuit and made his presentation both interesting and humorous.

Ade Weiss, W0RSP, was the after lunch speaker and, fortunately, after hearing him speak at Dayton Doug wrapped the speaker cord around Ade's legs so he could pull him off stage left at the end of the hour. Ade didn't disappoint us and the wrestling match he and Doug had over the microphone was more than worth the price of admission. Ade's presentation was on propagation and would

help any ham from novice to old timer to understand and use solar and atmospheric information to be better able to make contacts around the world.

The Reverend George Dobbs, G3RJV, spoke next and his style, compared to Robert Duvall's character in the "Apostle", says it all about the difference between the quiet, reserved British and the Colonials. George spoke on the history of G-QRP, SPRAT and the QRP movement in the British Isles and explained each of the six projects included in the Six Pack. His quiet enthusiasm and humor made a most enjoyable hour and left me speaking with a bit of a clipped accent and hungry for a bit of fish and chips and a nice cup of tea.

Paul Harden, NA5N, gave a wonderful talk on solar phenomenon and the hows and whys of its effect on our atmosphere and operating. Paul is another enthusiastic speaker and left me wondering whether I should be looking for abandoned mine shafts in which to move during the next peak in solar activity. His illustrations and explanations went well beyond the simple concepts we learned to get our licenses but he didn't lose his audience with a flood of unintelligible jargon and advanced mathematics.

Brian Kassel, W5VB0, from the Arizona Scorpions finished up the day's forums with his hints and kinks for QRP field operations. Brian used props and humor to share the benefit of his rich experience with the audience. He didn't concentrate on light backpacking QRP operations but covered a full spectrum of car camping and other field operations. At the end of his talk there was a small stampede to buy the Scorpion chalk line antennas he had with him. As with much of the other materials available during the day, these will be available directly from the source.

Among the exhibitors were Gary Diana, N2JGU, and Brad Mitchell, WB8YGG, from Embedded Research with Super TiCK chips for adding memory to the NorCal 20 keyer, available from them for \$15. They told me that the special NorCal 20 TiCK chip can be used as a stand-alone keyer or used in another rig so it won't be wasted if the SuperTiCK chip is substituted in the NorCal 20.

Wayne Burdick, N6KR, and Eric Swartz, WA6HHQ, were at their table handing out the free raffle tickets for their donated K2 to be drawn and awarded at the open house> of course we were all going to win that one but finally only one of us did. There was so much going on that the rest of the non-new-K2 owners didn't seem to mind all that much.

Bob Dyer, KD6VIO, was next to Elecraft with his selection of excellent kits for the homebrewer and QRP'er. The Norcal 40A and the Sierra are justifiably legends in the QRP world and Bob continues to sell them worldwide.

Roy Lewallen had his booth selling his EZNEC antenna modelling software and shared his space with G-QRP to sell the parts packs for the Six Pack. I heard Roy complain that he collected more money for George Dobbs than he did for himself, but he didn't look that upset so he was probably using some of

George's understated British humor. I didn't get it.

The other exhibitor I always stop at is the Worldradio booth. N6WR and his publication support QRP with a monthly column and this month featured Jim Cates, WA6GER, on the front cover and with a feature article. It couldn't happen to a nicer guy. A must buy for those who don't read Worldradio you poor unfortunates) are the reprints of Kurt N. Sterba and Lil Paddle's monthly antenna column. I feel they are common sense and down to earth enough that they should hand a copy of volumes one through three to each new ham and tell them that they are required reading.

I can't say much about the open house except that I was suffering information overload, sleep deprivation and jet lag without flying anywhere and was feverishly working to finish one last radio before the evening was over. The building contest was an incredible display of inventiveness, craftsmanship and excitement, Jerry Parker, WA6OWR, had piles of NorCal Zombie tee shirts, and the room was so tightly packed with QRPers having a good time that anyone fainting would have never had hit the floor. I had brought a little gift for the Chief Zombies and, when the contest was over, presented Doug Hendricks, Paul Harden and Chuck Adams, K5F0, with their own copies of "I Walked with a Zombie", "Night of the Living Dead", "Plan 9 from Outer Space" and "The Rocky Horror Picture Show". Considering the fact that they are so far gone anyway, I don't think I did them any harm.

I'm sure others will have their own observations on the weekend. I'm trying to put my workbench back together and am planning for next Pacificon. To paraphrase Jim Cates, "If you're not having fun, you're just not doing it right".

I would say we're all doing it just fine.

72, Darrel Jones, WD6BOR
Sonoma, CA

End of QRP-L Digest 1249

